

[illegible]

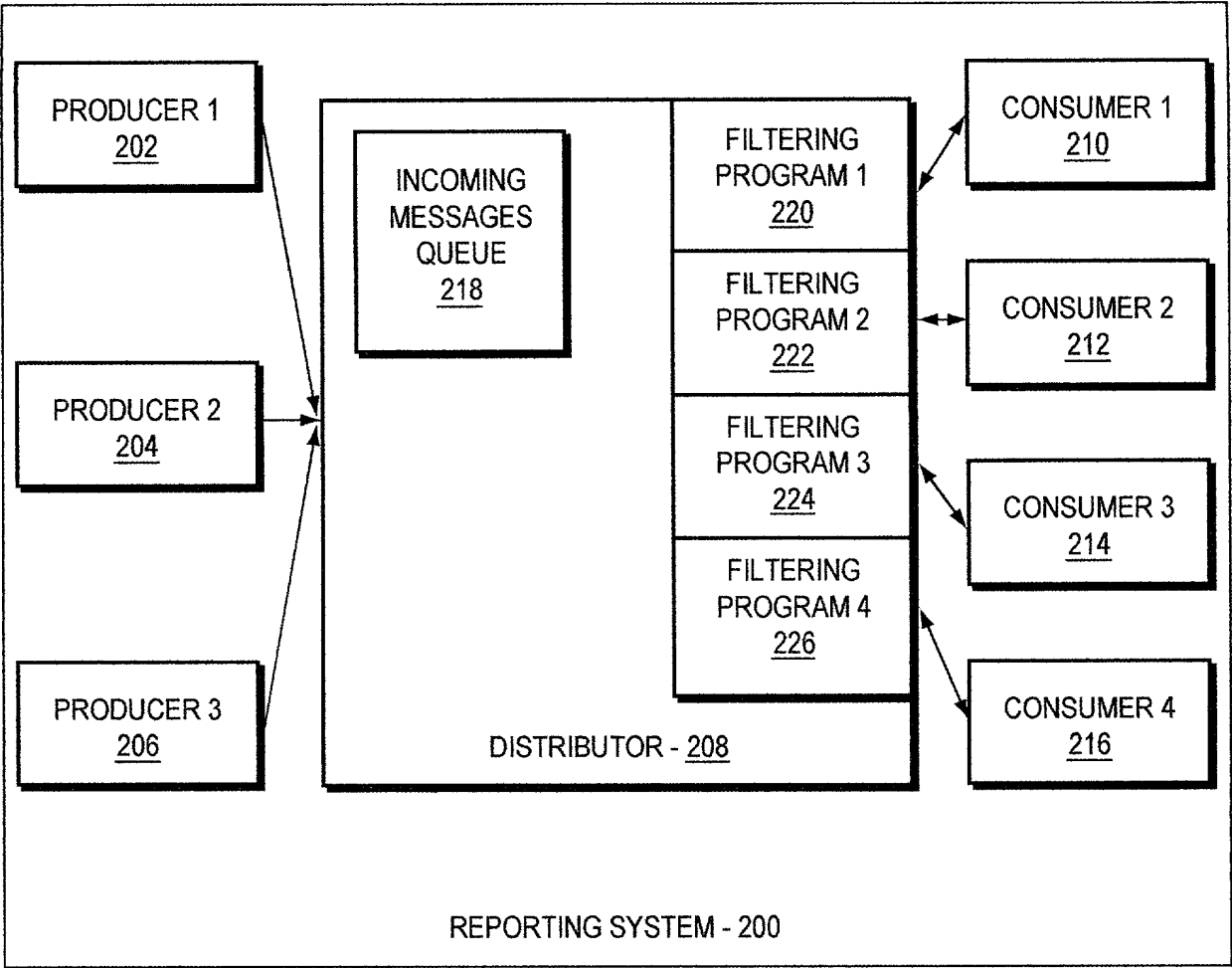


FIG. 2

MESSAGE TYPE 302	ARGUMENT 1 304	...	ARGUMENT N 306
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FIG. 3

BOOLEAN EXPRESSION

```
If (msg.data1 = 42 AND msg.data2 = 46 then
    return true;
else
    return false;
```

FIG. 4A

SQL EXPRESSION

```
evaluateMsg(msg)
{
    If (msg.data1 .EQ. 42 AND msg.data2 .LE. 46)
    then
        return true;
    else
        return false;
}
```

FIG. 4B

FILTERING PROGRAM

```
int num_msgs = 0;
evaluateMsg(msg)
{
    If (msg.data1 == 42)
    {
        num_msgs++;
        If(num_msgs = 5)
        {
            num_msgs = 0;
            return true;
        }
    }
    return false;
}
```

FIG. 4C